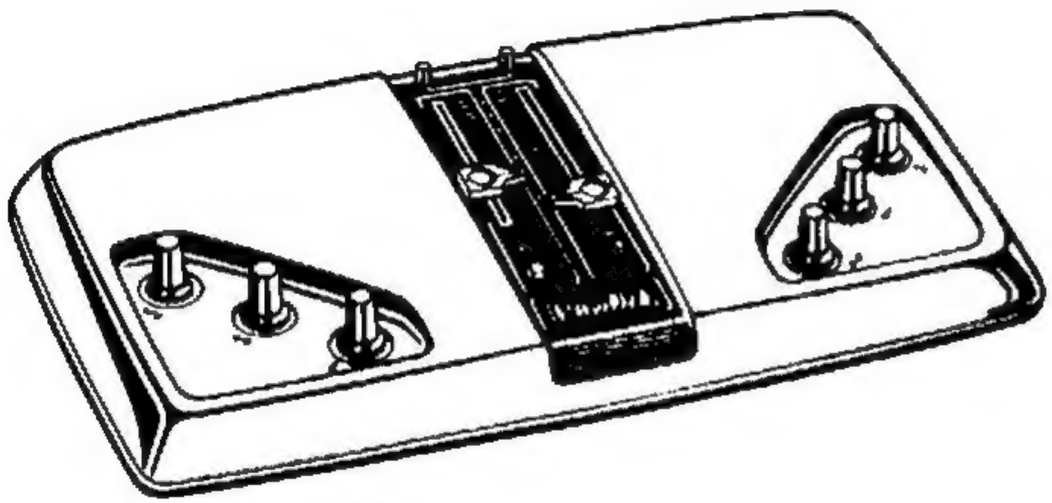
ODYSSEY® 100

INSTALLATION AND GAME RULES



ODYSSEY by Magnavox . . .
Works on any brand . . . any size TV . . . color or black & white

©The Magnavox Company 1975

ODYSSEY 100

ODYSSEY, America's most exciting Home Video Game is now yours for you, your family and your friends to enjoy.

ODYSSEY 100 is an electronic home video game that easily attaches to any brand television . . . any screen size — black and white or color. You can easily connect ODYSSEY to any TV in your home or even take it to a party! For maximum enjoyment of your ODYSSEY, please take a few minutes to read just how easy it is to connect and operate ODYSSEY for hours of challenging fun.

ODYSSEY . . . from MAGNAVOX, a leader in the field of quality electronics for over sixty years.

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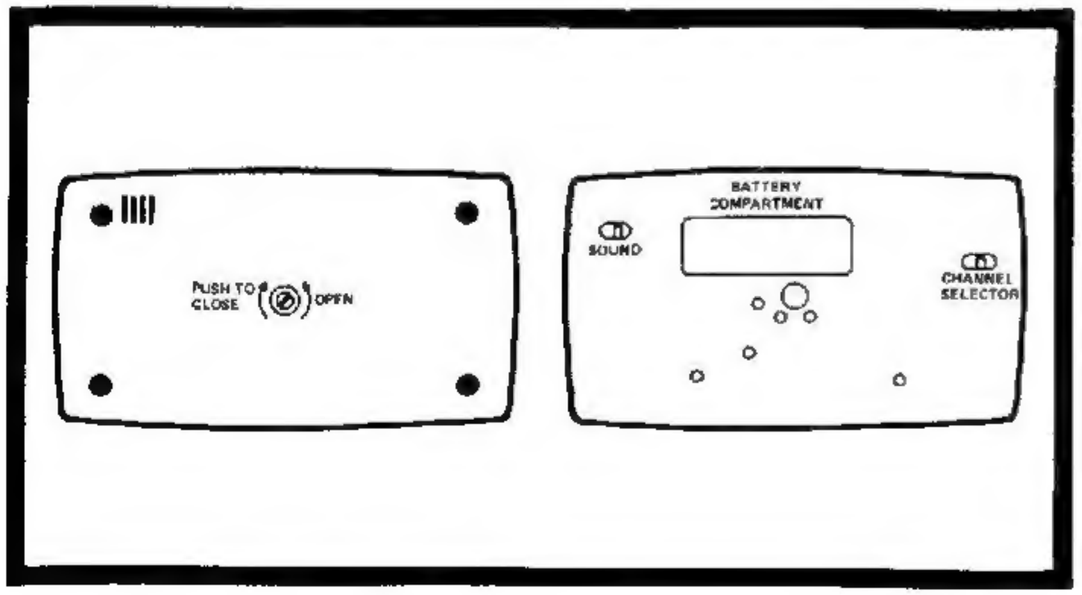
how to set up odyssey

BATTERY INSTALLATION

ODYSSEY is a completely safe product for all ages and members of your family to use since it is powered by 6 "C" Cell batteries or a 9 volt AC Adaptor which is available at your ODYSSEY or Magnavox dealer.

Place your ODYSSEY Master Control Center upside down and insert a coin, such as a quarter, in the coin screw located in the center of the bottom cabinet. Press down gently and turn the screw approximately one half turn to the left (counter clockwise). Take hold of both sides of the bottom cabinet and lift off.



Insert 6 "C" Cell size batteries into the Battery Compartment. Be certain the batteries are installed in the direction indicated by the pictures in the battery compartment or you may damage the ODYSSEY electronics. For extended operation, we recommend the use of alkaline batteries.

If you are using an AC Adaptor, remove the batteries from your ODYSSEY. The AC Adaptor is plugged into the AC Adaptor socket located on the top back side of the Master Control Center.

CHANNEL SWITCH

The channel switch is located to the right of the battery compartment and is used to select either Channel 3 or 4 for operation of your ODYSSEY. This switch is normally set at the factory to the Channel 3 position. If a television station is operating on Channel 3 in your area, move the switch to the Channel 4 position. For future reference, indicate here the channel being used for ODYSSEY: _____

SOUND SWITCH

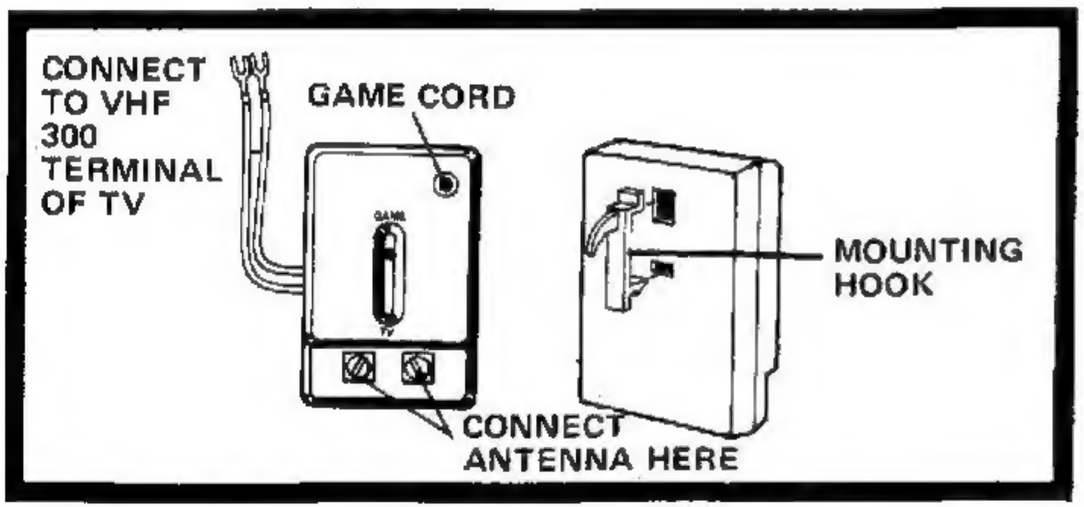
Your Odyssey is equipped with an electronic action sound feature. Each time the ball strikes a player or wall, you will hear an electronic BEEP. A sound switch is provided to the left of the Battery Compartment. Check to insure the switch is in the ON position. (If desired, you may deactivate the sound by merely moving the sound switch to the OFF position.)

Now replace the cabinet bottom.

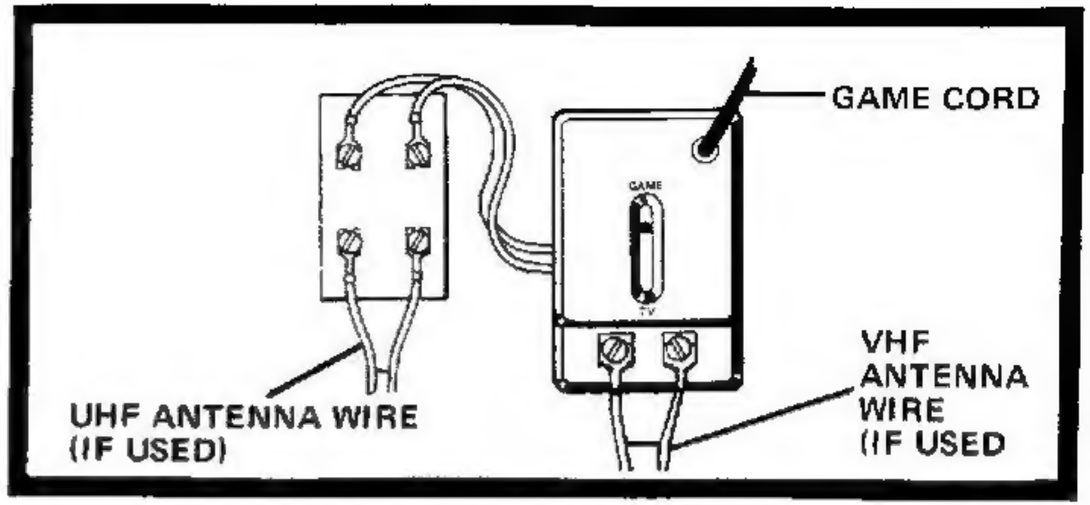
how to connect odyssey

ANTENNA-GAME SWITCH

The ANTENNA-GAME SWITCH is provided as a convenience to allow you to select either ODYSSEY or regular TV viewing, without having to disturb your antenna connections. After its initial installation, you merely move the slide switch to either GAME position for ODYSSEY . . . or to the TV position for television viewing.



A mounting hook is provided for conveniently "hanging" the ANTENNA-GAME SWITCH on the back of your television. After installing the hook, insert the end through one of the ventilating holes on the back of your television near the antenna connections. **(Note: Some TV's do not have ventilating holes convenient to the antenna terminals therefore the hook is not required).**



Locate the VHF antenna terminals on the back of your television. Disconnect the VHF antenna wire (if there is one), from your television and connect it to the ANTENNA-GAME SWITCH. Connect the lead from the ANTENNA-GAME SWITCH to the VHF-300 terminals of the television. The ANTENNA-GAME SWITCH is now permanently connected to your television. When changing from GAME to TV, make certain the slide switch is moved to the extreme position; do not leave it in the middle, as you will not have proper operation.

Additional ANTENNA-GAME SWITCHES may be purchased at your local ODYSSEY or Magnavox dealer, so you may install one on each television in your home.

If your antenna cable is round with a screw-on type connector (75 ohm), you will need to purchase a 75 ohm to 300 ohm Balun to permit connection of your TV antenna to the Odyssey Antenna-Game Switch. The 75 ohm to 300 ohm

Balun's are readily available from your local Magnavox Dealer or any television service organization.

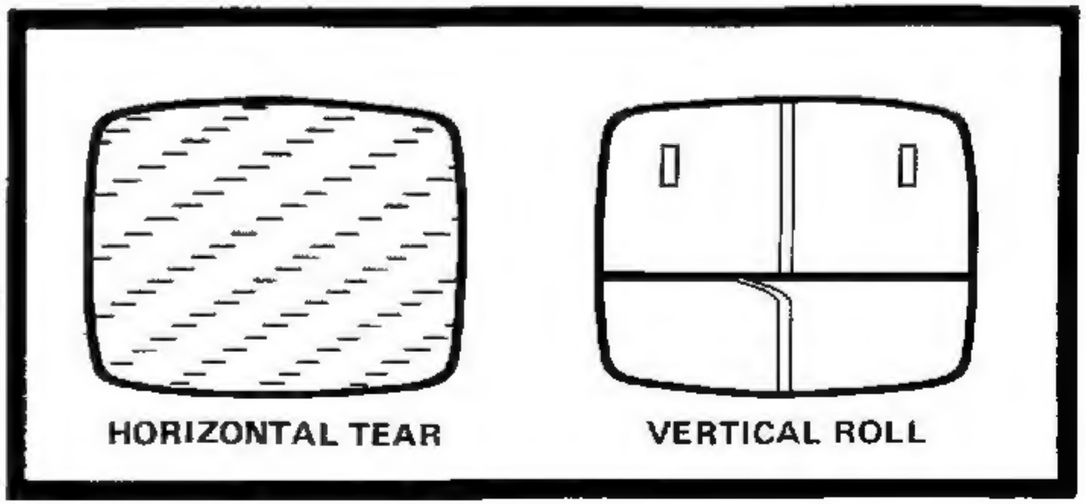
If you were using a 75 ohm round cable, your television will probably have a set of jumper plates or a switch which must be moved to select the VHF—300 terminals. Your television instruction book will be of help.

GAME CORD

The GAME CORD on your ODYSSEY Master Control Center should now be plugged into the ANTENNA-GAME SWITCH socket market GAME CORD. The GAME CORD should never be yanked from the Antenna Game Switch. Always grasp it by the plug end not the cord.

adjusting your television

- Set the Antenna-Game Switch to the TV position and turn on your television. Select a known operating channel and adjust your television for normal picture viewing.
- Now, set the television to VHF Channel 3 or 4 and move the Antenna-Game Switch to the GAME position. Be certain to move the slide switch completely to the GAME position.
- Turn the ODYSSEY Master Control Center POWER Switch to the ON position. Move the GAME Select Switch on the Master Control Center to position "A". You are now sending a signal to your television.
- You should see a white vertical line from top to bottom and possibly one or two small white rectangles. Adjust the VHF Fine Tuning on the television, if necessary, until the vertical line is straight and clear. Also adjust the Brightness and Contrast controls of your television, if necessary, to obtain a bright white line against a dark gray background.
- Vertical and Horizontal Controls — If you have a stable picture when the Antenna-Game Switch is in the TV position and you are receiving a local station, your Odyssey picture should also be stable when it is in the GAME position. If your Odyssey picture rolls or tears, the following adjustment to your Odyssey should be made:
  1. With your Odyssey and TV on, remove the Odyssey cabinet bottom.
  2. If your Odyssey picture rolls, insert a thin blade screwdriver in the hole marked "VERTICAL FREQUENCY". Turn the screwdriver until the picture stops rolling.



3. If your Odyssey picture tears, insert a thin blade screwdriver in the hole marked "HORIZONTAL FREQUENCY. Turn the screwdriver until the picture is straight.

- The CENTER CONTROL ON THE MASTER CONTROL UNIT should be adjusted until the vertical line is in the center of your television screen.

the player control knobs

VERTICAL CONTROL ↕

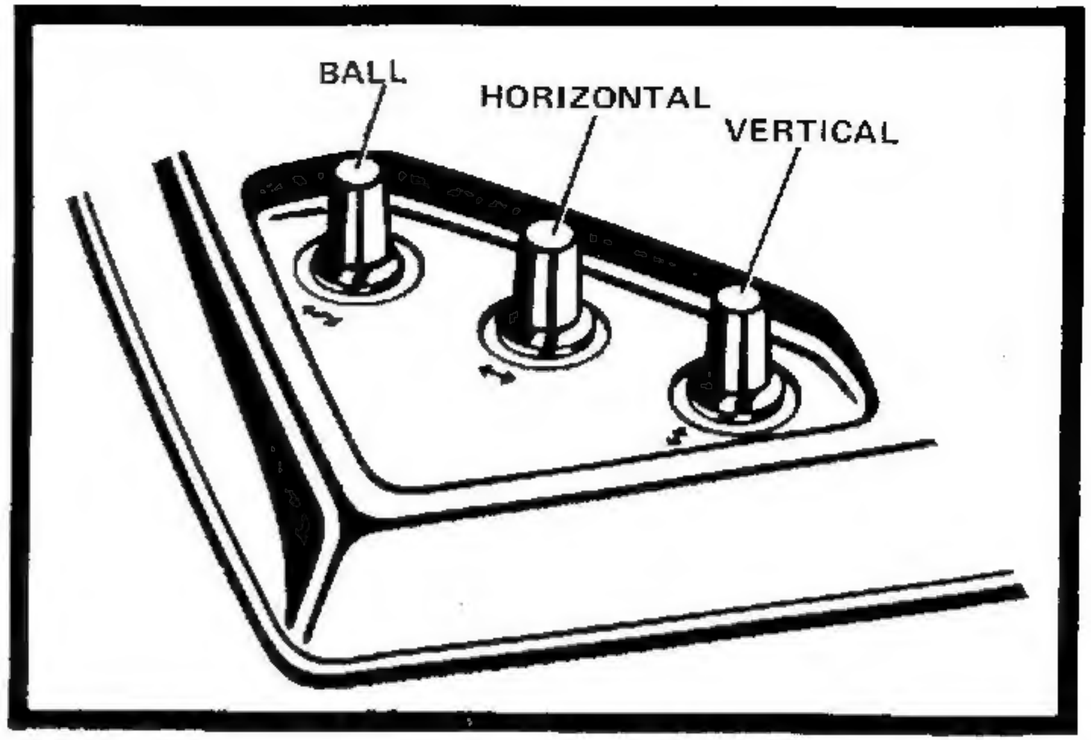
The Vertical Control will always move a player up or down. Turning the knob to the right will move the player up, and turning the knob to the left will move the player down.

HORIZONTAL CONTROL ↔

The Horizontal Control will always move a player to the left or right. Turning the knob to the right will move the player to the right, and turning the knob to the left will move the player to the left. The HORIZONTAL CONTROL is also used to start each game by bringing the ball into play, as explained later.

BALL CONTROL ⇅

The Ball Control directs the path of the ball across the TV Screen. When the ball is travelling from left to right in the Tennis Game, only the Ball Control on the left side of the ODYSSEY Master Control Center will affect the Ball. When



the ball is travelling from the right to the left, only the Ball Control on the right side of the ODYSSEY Master Control Center will affect the Ball. During play you should generally keep the Ball Control near its center position and then turn it quickly to deceive and outwit your opponent.

to get ball on screen

To get the Ball into play, in either Tennis or Hockey, each of the players should take turns moving their HORIZONTAL Player Control until their player touches a white wall. Be certain your player makes complete contact with the wall.

TENNIS

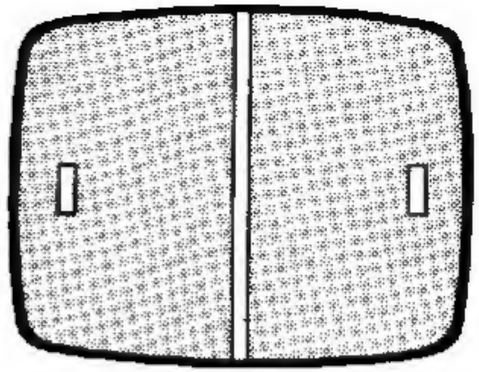
Choose teams and play your own electronic Tennis tournament right in the comfort of your home. Your Odyssey Electronic TENNIS is a challenging game that will provide hours of fun for the entire family.

OBJECTIVE

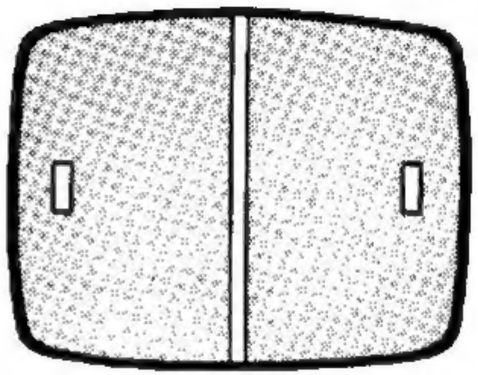
The objective of Tennis is for each of the two participants to skillfully defend their court and drive the ball past their opponent off the TV screen. The first player to reach 15 points wins.

SET UP

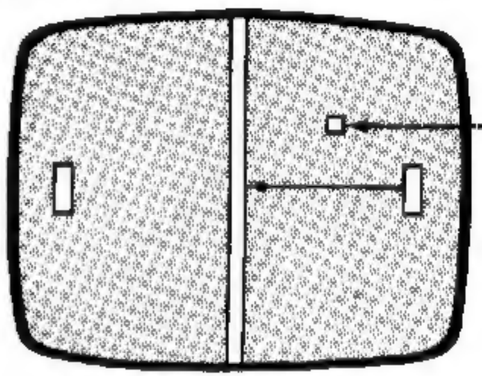
1. Set the Odyssey Game Selector Switch to position A.
2. Set the Scoring Indicators to the 0-0 positions.
3. Adjust the Center Control so the white center line is in the middle of the TV screen.
4. Make certain the player controlled by the Player Controls on the right side of the Odyssey Master Control Center is in the right court and the player controlled by the left set of Player Controls is in the left court.
5. Adjust the Speed Control to an agreeable speed for the Ball. (Turn the control right for FAST, and left for SLOW)



PROPER TENNIS DISPLAY



BALL READY TO SERVE



PLAYER SERVING BALL

PLAY

After volleying the ball back and forth to provide a little practice for both players, you should volley to determine who will serve first. Alternate serving after each score.

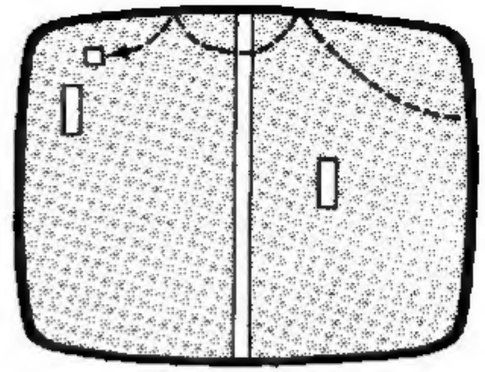
To begin play, the first player to serve must position the Ball off the TV screen on his side of the court. When both players are ready, the player serving moves in and touches the center line with his player and the game begins as the Ball moves on the TV screen.

STRATEGY

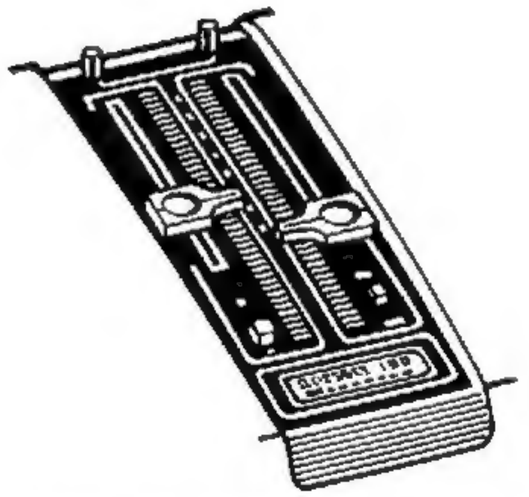
A player will have Ball Control as he serves the Ball and while it travels toward his opponent. Both participants should always keep their left hand on the Ball Control for maximum advantage in outwitting his opponent. Also, don't forget, there are invisible rebound walls at the top and bottom of the TV screen; ricochet the ball off of these walls to keep your opponent guessing where he should be positioned to make the return.

SCORING

Each game is played until one player reaches a total of 15 points. Each time a player successfully maneuvers the ball off the TV screen past his opponent, he should advance his scoring indicator one position. The winner is the first player that reaches a total of 15 points.



TOP BALL REBOUND



ODYSSEY SCORE INDICATORS

HOCKEY

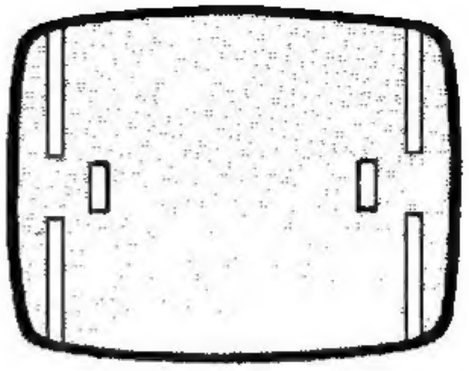
The action and excitement of Odyssey Electronic Hockey Game will quickly get your blood heated as you race across the ice to make the "slap" shot into your opponents goal and SCORE.

OBJECTIVE

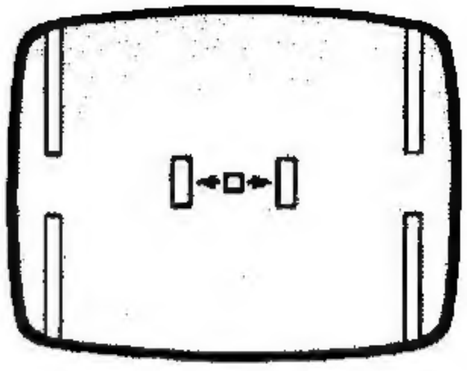
Odyssey Electronic Hockey is played by only two opponents as you Face Off and maneuver the puck around your opponent and into his net. The first player to win 2 out of 3 periods is the winner.

SET UP

1. Set the Odyssey Game Selector Switch to position B.
2. Set the Scoring Indicators to the 0-0 position.
3. Adjust the Center Control to position the white line on the left side of the TV screen, as close to the edge of the screen as possible.
4. Move the player controlled by the Player Controls on the right side of the Odyssey Master Control Center to the right side of the TV screen. The right player will defend the right goal. The player controlled by the left set of Player Controls should be on the left side of the TV screen and thus defends the left goal.



PROPER HOCKEY DISPLAY



CENTER ICE FACE OFF

5. Adjust the Speed Control to an agreeable Speed for the "Puck". In this game, a slower speed is recommended since the puck stays in almost constant motion and the action is necessarily fast and furious.

PLAY

To bring the Puck into play, both players should alternate moving their players out to touch either wall. Once the players make contact with the wall, the Puck will enter the field of play. Volley the puck back and forth to become accustomed to the action required. Either player can retain Ball Control for a sustained period if his opponent is unable to hit the puck.

Once you're familiar with the play, bring the Puck on to the screen and trap it between the two players at center ice.

Keep the Puck trapped until it has hit the players at least twice. Then both players should turn their Ball Control rapidly

until the puck moves around one of the players. The players must now move to either defend their goal or advance to continue "slapping" the puck toward the opponent's goal to score. Following each goal, play is again started with a face off at center ice.

At no time is either player permitted to place his player inside his goal; if he does he is charged immediately with an automatic penalty and the opponent scores 1 point.

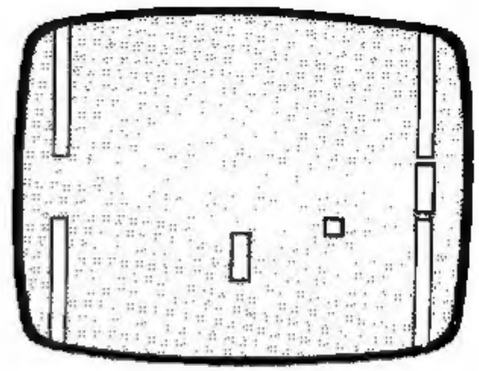
STRATEGY

Keep your left hand on the Ball Control at all times and use your right hand to operate the Vertical and Horizontal Controls. This will allow you to constantly maintain control of the puck while either defending your goal or moving down ice to keep the action confined to your opponent's side of the ice. Don't forget to use the Top and Bottom Ball Rebound to keep your opponent guessing.

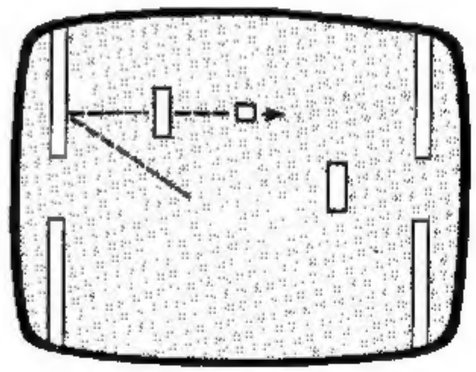
If you should miss a shot, attempt to let the puck return through your player, at which time you will gain possession of the puck and have the Ball Control.

SCORING

One point is scored each time a player is successful in driving the puck through his opponent's goal. Record the score with the Scoring Indicator. The first player to reach 15 points wins the period. To win the Hockey Game, a player must win 2 out of 3 Periods.



PENALTY FOR
BLOCKING GOAL

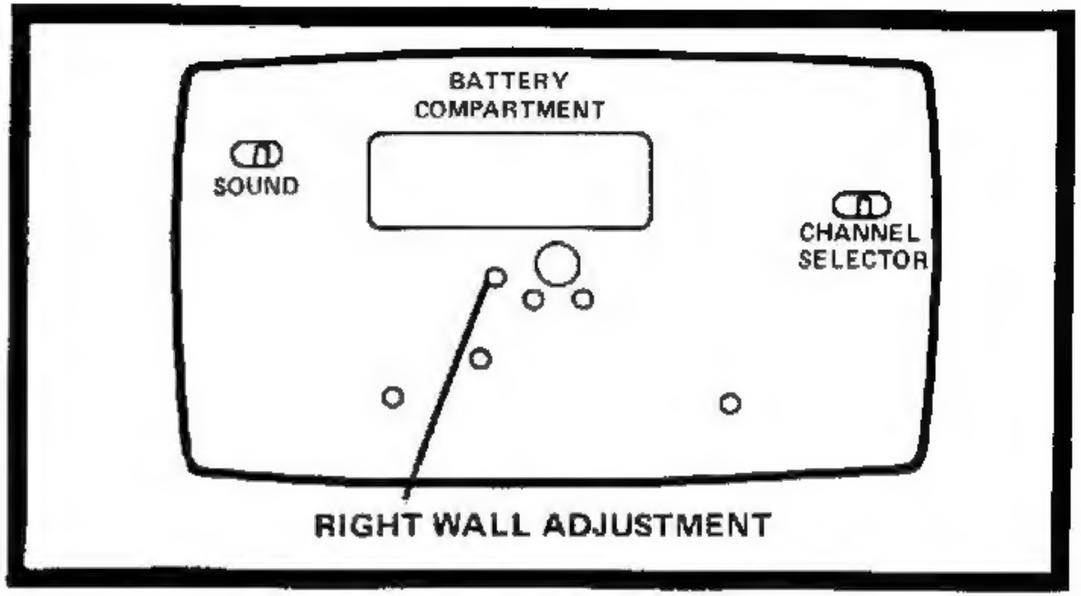


PUCK RETURNING
THROUGH PLAYER

customizing odyssey

Your Odyssey has been adjusted at the factory to work on all brands of TV's; however, you may want to customize your Odyssey to your TV. To determine whether your Odyssey may need an adjustment, move the Game Selector Switch to position "B" (Hockey). If the white line on the right side is not at the edge of the TV screen, follow the customizing steps below: (TV receivers are like people — no two are exactly alike).

1. With your Odyssey and TV on, remove the Odyssey cabinet bottom.
2. Insert a thin blade screwdriver in the hole marked "Right Wall position". Turn the screwdriver until you move the right side wall as close to the right edge of your TV screen as possible yet remaining completely visible.
3. Replace the Odyssey Cabinet bottom.
4. Your Odyssey is now customized to your TV to give you the maximum playing area for Hockey.



performance check list

Should your ODYSSEY System appear to be malfunctioning, this Performance Check List will help you determine if service is actually required.

1. If you do not get a player image on your television screen when the Power Switch is ON . . .

   A. Check to see that the slide on the ANTENNA-GAME SWITCH is in the "Game" position and that the Antenna-Game Switch has been properly installed.

   B. Check to see that the Game Cord is plugged into the Antenna-Game Switch.

   C. Rotate the HORIZONTAL AND VERTICAL CONTROLS on both sets of Player Controls. If the player images do not appear on the screen, continue with the check list.

   D. Check to see that the Channel Selector on your television is set to the proper channel, as indicated by the Channel Switch in your Master Control Center.

   E. Check the batteries in your Master Control Unit to see that they are properly installed. Also, if your game has been in operation for sometime, the batteries may be weak and should be replaced.

2. If the display on your television screen is distorted or scrambled, then the problem may be an adjustment of the television controls . . .

   A. Check to be sure you are on the proper channel for game operation.

   B. Switch the television to a known operating local station and the Antenna-Game Switch to the TV position. Adjust the television controls to obtain a normal picture.

   C. If a normal picture is obtained, switch back to the Game position and set your television to the proper channel on which ODYSSEY is used. Adjust the VHF Fine Tuning on the television. If the picture is rolling or tears, follow the steps outlined in the "Adjusting Your Television" section of this book.

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